Water Management Plan Template		
Details of Assessment Unit		
	State	Tamilnadu
	District	Villupuram
	Block/Mandal/Taluk/Firka	Melolakkur Firka
	Category as per the latest ground water assessment (2017)	Over Exploited
Hydrogeological Details		
	Normal Rainfall(mm) Monsoon Non Monsoon	1054.54 mm
	Aquifer	Gneiss
	Discharge of wells (lps)	
	Dug wells	1-2
	Borewells	-
	Tubewells	1-2
	DCB	-
	Water Quality	Fresh
	Any other quality issue	-
Annual water availability		
Fresh water Availability	Ground water (in MCM)	39.02 mcm
	Surface water including major water bodies (in MCM)	
Grey water Availability	Domestic (in MCM)	0.4392 mcm
	Industrial (in MCM)	0.2928 mcm
Annual water Consumption		
	Agriculture (in MCM)	46.49
	Domestic (in MCM)	0.438
	Industrial (in MCM)	0.292
	Decadal Water consumption trends (period) (MCM/year(Rise/falling/no change)	
Common GW Abstraction Structure	Type (Dug well/Borewell/TW/DCB etc.)	
	Average Depth (mbgl)	20-30
	Dug wells	5912
	Borewells	
	Tubewells	755
	DCM	
Future Availabilty		
	Surface Water (in MCM)	

	Ground water (in MCM)	0.00
Monitoring		
Surface Water Monitoring	Average inflow (Cusec)	
	Average outflow (Cusec)	
	Quality (Potable/Non potable)	potable
Ground Water Monitoring	Average DTW (mbgl)	5
	Average decadal water level trends (m/year(Rise/falling/no change)	
Water Management options and Mitigation		
Recycle and Reuse	Reuse of Domestic waste water (Flushing, Horticulture, Agriculture, Industry, Construction etc.)	Available treated water Used for Horticulture and industrial uses
	Reuse of Industrial water	It is being managed within the industrial purpose like cleaning, gardening etc.,
	Adaptive Management strategies	Suggestion for crop diversification, micro-irrigation etc.
Type of artificial recharge RWH structure feasible	Type of artificial recharge RWH structure feasible	Rooftop RWH structures, construction of Check dams, percolation pond with Recharge shaft, Recharge pit

Abbreviations used
mm: millimetre
lps :Litres Per Second
MCM: Million Cubic Metres
TW: Tube Well
DCB: Dug Cum Bore well
Mbgl: Metres below groundlevel
Cusec: One cubic foot per second
DTW: Depth to water level
RWH: Rainwater Harvesting